

INTRODUCTION

The evaporation tray is a component for capturing and eliminating excessive condensation (water) coming from inside refrigeration systems.

To obtain optimum performance, the following procedures should be followed:

- 1) Make certain both contact surfaces are clean. The evaporation tray will be fixed (fastened) to the compressor with two strips of double-sided adhesive tape, and in order to obtain good adhesion, all contact surfaces (compressor and tray) must be clean, free from dust, humidity and grease (figure 1).

Isopropyl alcohol can be used to clean the surface.

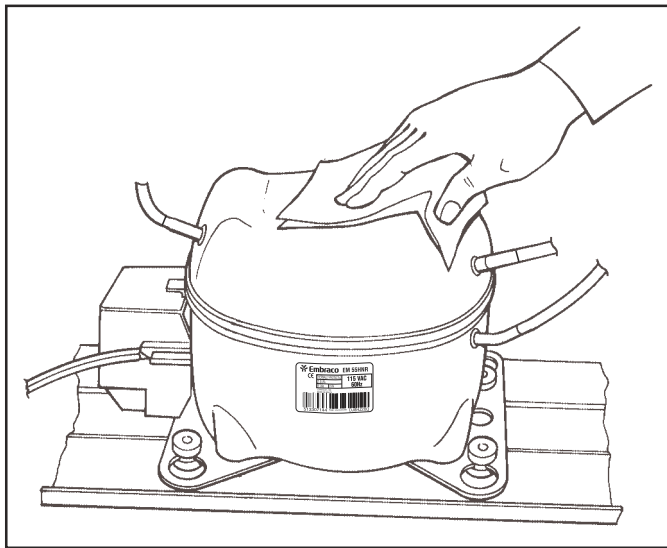


Figure 1

- 2) Remove the protective film from the strips of adhesive tape (located on the underside of the lower tray) just before assembly. This film should only be removed at the time of assembly, because accidental contact with the tape can interfere with its adherence (figure 2).

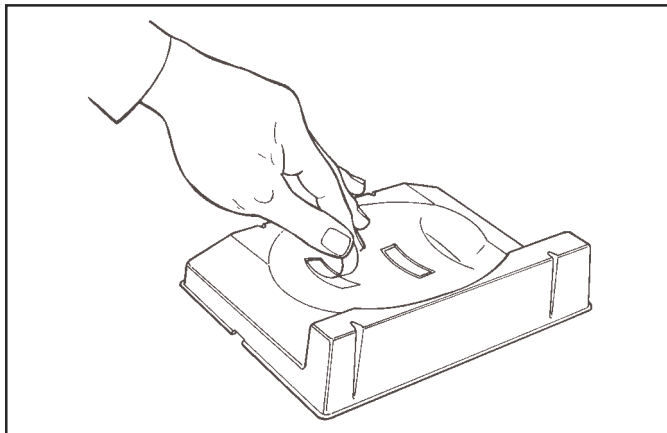


Figure 2

- 3) Position the tray above the compressor ensuring that the tray drain is on the right hand side of the compressor (this is the opposite side to the compressor's electrical connection cover) (figure 3).

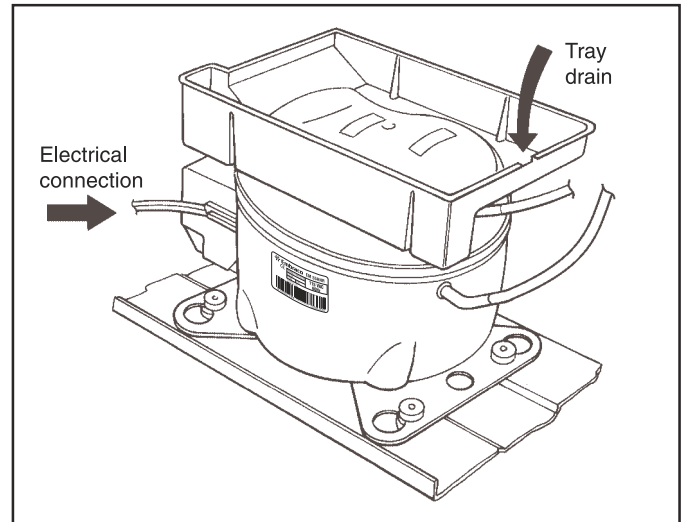


Figure 3

- 4) Fix (fasten) the tray to the compressor by applying slight perpendicular pressure equaling or superior to 10 kgf on the top of tray (above the area where the tape had been placed), according to figure 4.

At room temperature, approximately 50% of final adhesion is attained in 20 minutes, 90% after 24 hours and 100% after 72 hours.

No pressure whatsoever must be applied to the tray during the first 20 minutes of fixing.

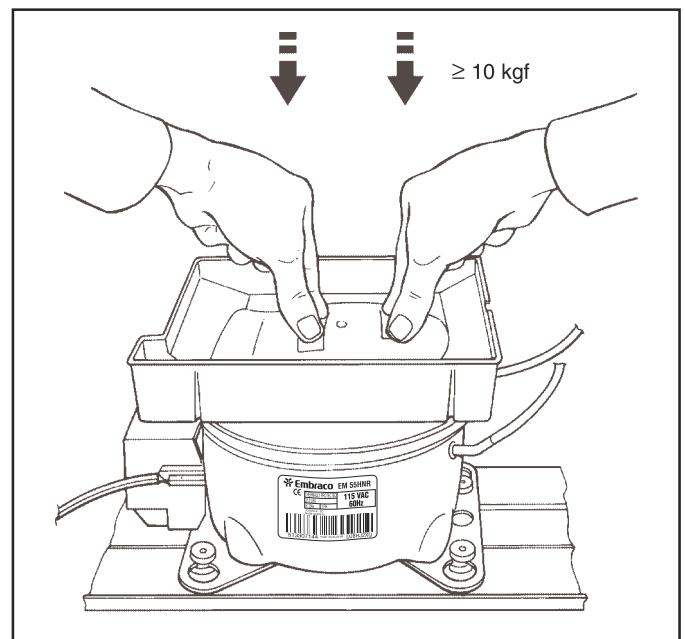


Figure 4

- 5) When properly assembled, the curve of the lower tray fits perfectly the contour of the compressor shell.

Improper assembly can interfere with necessary uniform surface contact and create a potentially hazardous situation preventing proper condensate drainage. Lack of uniform contact creates problems in heat transfer, impairs condensation collection and compressor cooling. See figure 5.

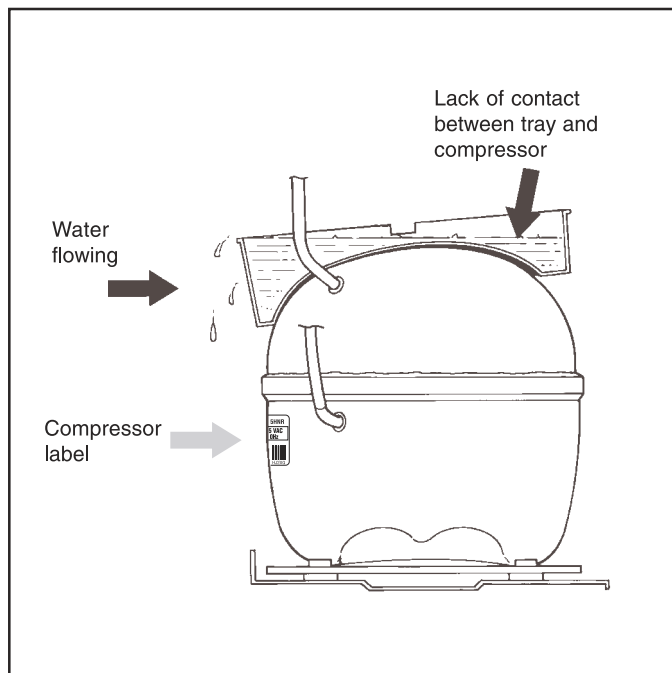


Figure 5

- 6) Assembly in the correct position guarantees ideal heat transference to the tray and maximum water volume storage. See figure 6.

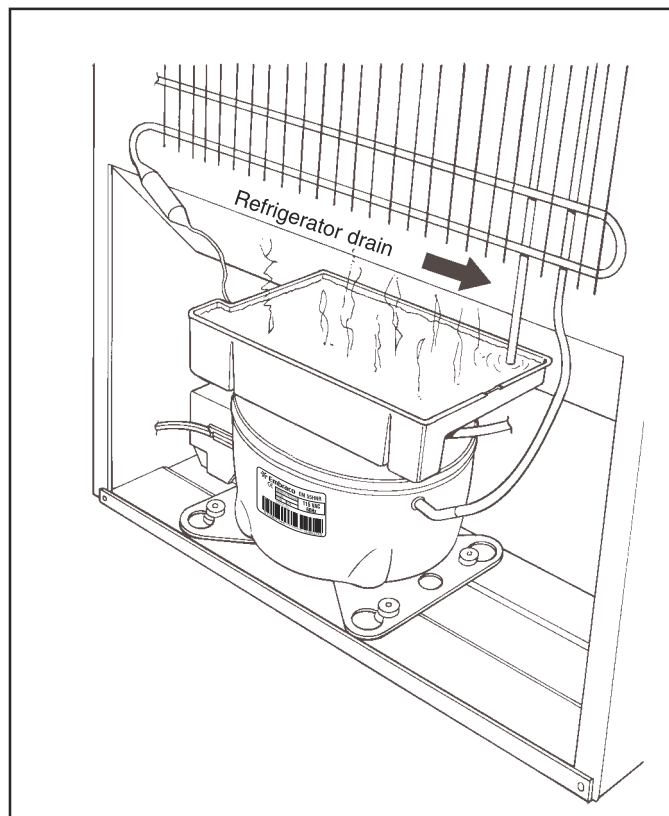


Figure 6

- 7) Avoid tray removal once it has been assembled to the compressor. Each removal gradually weakens adherence.
- 8) Specifications:
- Material: Polypropylene
 - Storage Capacity: Maximum condensation volume is 780 ml
 - Weight: 100 g

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